

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 19113  
Application ID: 10065485  
Title of Invention: System for High Density Linear  
Serpentine Data Recording.  
First Named Inventor: Jack Marion  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-10-23  
Submission Type: Utility Patent Filing  
Filing Type: null  
Confirmation Number: 0  
Attorney Docket Number: HDR01  
Digital Certificate Holder: cn=Peter L. Groel, ou=Independent Inventors, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: ftpW2eNuaXVPCstbOuKjMA==  
Total Fees Authorized: \$410.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*9232  
Expiration Date: 10312004  
Card Holder Name: Peter L Groel  
RAM User ID: EFSPROD  
RAM Accounting Date: 2002-10-23  
RAM Sequence Number: 550462  
RAM Payment Status: RAM success  
Postal Code: 80504

# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:



## System for High Density Linear Serpentine Data Recording.

First Named Inventor: Jack L Marion

### SUBMITTED BY

Name:

Peter L Groel

Electronic Signature Mark: /pg/

Date Signed: 20021023

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration

declp1.tif

declaration

declp2.tif

small-entity

smallent.tif

patent-assignments

hdrsubasgn.xml

specification

hdr.xml

[illegible]

bibd-transmittal  
fee-transmittal

hdrsubapds.xml  
hdrsubfee.xml

**Attached Image File(s):**

declp1.tif

declp2.tif

smallest.tif



PTO/SB/01 (1

Approved for use through 10/31/2002. OMB 0651  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	
First Named Inventor	Jack L. Marion
<b>COMPLETE IF KNOWN</b>	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

As the below named inventor, I hereby declare that:  
My residence, mailing address, and citizenship are as stated below next to my name.  
I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention ent

**System for High Density Linear Serpentine Data Recording**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.


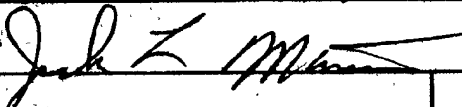
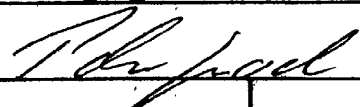
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed		Certified Copy Attached	
			YES	NO	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/>		Customer Number or Bar Code Label 	OR <input type="checkbox"/>	Correspondence address below
<b>32035</b> PATENT TRADEMARK OFFICE				
Name				
Address				
City		State	ZIP	
Country	Telephone		Fax	
<small>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</small>				
NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Jack L		Marion		
Inventor's Signature		Date		
		Sept. 30,		
Residence: City	State	Country	Citizenship	
Rock River	WY	USA	U.S.	
Mailing Address				
HC 64 BOX 201				
City	State	ZIP	Country	
Rock River	WY	82083	USA	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Peter L		Groel		
Inventor's Signature		Date		
		Sept. 30,		
Residence: City	State	Country	Citizenship	
Longmont	CO	USA	German	
Mailing Address				
7574 Crestview Dr				
City	State	ZIP	Country	
Longmont	CO	80504	USA	
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.				

[Page 2 of 2]



## Mountain Engineering II, Inc.

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### Declaration Claiming Small Entity Status.

Applicants: Jack L Marion and Peter Groel

The above named applicants declare that we qualify as independent inventors as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, to the Patent and Trademark Office with regard to the invention entitled: "System for High Density Data Recording".

We have assigned the rights of the invention to:

Mountain Engineering II, Inc., 1233 Sherman Dr., Longmont, CO 80501

The above named organization qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for the purpose of paying reduced fees under section 41(a) and (b) of Title 35, United States Codes.

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**1233 Sherman Drive, Longmont, CO 80501-5133**  
**303-651-0277 303-651-6371 (fax)**  
**[www.MountainEngineering.com](http://www.MountainEngineering.com)**

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 410**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 9232  
Expiration Date: 20041031  
Authorized Name: Peter L Groel  
Billing Address: 80504

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	2001	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	2202	\$ 9	0	\$ 0
Independent Claims: 2	2201	\$ 42	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40